

BRUSHING MACHINES
Designed and Built by
A•D•S Machinery Corp.

<u>YEAR</u>	<u>JOB</u>	<u>CUSTOMER</u>	<u>APPLICATION</u>
1961	959	Crucible Steel (USA)	Cleaning and MgO Coating Line (Silicon Steel) Four Brush Unit 36" Wide, 0.012"-0.025" Thick Timing Belt Brush Drive Manual Screwdown No Quick Open Clean or Remove MgO Coating Tampico Brushes
1962	1031	Crucible Steel (USA)	No. 3 Anneal and Pickle Line (Stainless Steel) Two Brush Unit 52" Wide, 0.012"- 0.187" Thick Roller Chain Brush Drive Manual Screwdown No Quick Open Brush Strippers Tampico Brushes
1962	1052	J & L Steel (USA)	Electroplating Line Four Brush Unit 36" Wide Timing Belt Brush Drive Manual Screwdown Rack & Pinion Equalizer for Quick Open "Scotch-Brite" Brushes Surface Condition Prior to Plating
1962	1055	J & L Steel (USA)	Electroplating Line Two Brush Unit 36" Wide Timing Belt Brush Drive Powered Screwdown Rack & Pinion Equalizer for Quick Open "Scotch-Brite" Brushes Remove Rolling Oil Prior to Plating

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1962	1075-1	Sharon Steel (USA)	Hot Dip Galvanizing Line (Carbon Steel) Four Brush Unit 36" Wide Timing Belt Brush Drive Powered Screwdown Rack & Pinion Equalizer for Quick Open "Scotch-Brite" Brushes Surface Condition between Cleaning Section and Furnace
1962	1075-2	Crucible Steel (USA)	Hot Dip Galvanizing Line (Carbon Steel) Two Brush Unit 36" Wide Timing Belt Brush Drive Powered Screwdown Rack & Pinion Equalizer for Quick Open Nylon Brushes Remove Rolling Oils
1963	1126	Reverse Brass & Copper (USA)	Color Coating Line (Aluminum) Six Brush Unit 24" Wide, 0.006"-0.032" Thick V-Belt Brush Drive Manual Screwdown No Quick Open Nylon Brushes
1962	1131	Crucible Steel (USA)	No. 2 Anneal and Pickle Line (Stainless Steel) Four Brush Unit 52" Wide, 0.012"-0.187" Thick Roller Chain Brush Drive Manual Screwdown Brush Strippers Tampico Brushes

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1963	1133	Allegheny Ludlum (USA)	Sheet Scrubber Four Brush Unit 48" Wide, 0.012"-0.187" Thick V-Belt Brush Drive Manual Screwdown No Quick Open
1962	1172	Armco Steel (USA)	Anneal & Pickle Line (Stainless Steel) Five Brush Unit 25" Wide, 0.003"-0.080" Thick V-Belt Brush Drive Tampico Brushes
1963	1212	Armco Steel (USA)	Silicon Steel Scrubber Four Brush Unit 48" Wide Direct Brush Drive Fixed Brush Manual Screwdown of Backup Rolls No Quick Open Tampico (Flow Thru) Brushes
1964	1260	Republic Steel (USA)	Hot Dip Galvanizing Line (Carbon Steel) Four Brush Unit 48" Wide Spindle/Timing Belt Brush Drive Powered Screwdown Quick Open on Backup Rolls Wire Brushes Remove Zinc Coating
1964	1283	Sharon Steel (USA)	Pickle Line (Carbon Steel) Four Brush Unit 50" Wide Direct Drive Manual Screwdown Rack & Pinion Equalizer for Quick Open Tampico Brushes

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1964	1308	Crucible Steel (USA)	No. 9 Line (Stainless Steel) Two Brush Unit 52" Wide, 0.050"-0.140" Thick Timing Belt Brush Drive Manual Screwdown No Quick Open Brush Strippers Rubber Lined Housing
1964	1332	Union Carbide Haynes Stellite (USA)	Sheet Cleaning Line (Stainless Steel) Two Brush Unit 60" Wide, 0.005"-0.250" Thick Timing Belt Brush Drive No Quick Open Tampico Brushes
1965	1340	Republic Steel (USA)	Hot Dip Galvanizing Line (Carbon Steel) Four Brush Unit 48" Wide Spindle/Timing Belt Brush Drive Powered Screwdown Quick Open on Backup Rolls Wire Brushes Remove Zinc Coating
1965	1405-1 (USA)	Ingersoll Steel	Grinding Line (Stainless Steel) Six Brush Unit 50" Wide V-Belt Brush Drive Manual Screwdown No Quick Open Tampico Brushes

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1965	1405-2 (USA)	Ingersoll Steel	Anneal & Pickle Line (Stainless Steel) Four Brush Unit 50" Wide, 0.005"-0.125" Thick V-Belt Brush Drive Manual Screwdown No Quick Open
1966	1511 (USA)	Wheeling Steel	Color Coating Line (Carbon Steel) Four Brush Unit 48" Wide, 0.062" Thick Direct Brush Drive thru Spindles Manual Screwdown Rack & Pinion Equalizer for Quick Open Flow-Thru Brushes Alkali Cleaning
1966	1547	Armco Steel (USA)	Bright Anneal Line (Stainless Steel) Six Brush Unit 50" Wide, 0.015"-0.090" Thick V-Belt Brush Drive No Quick Open Synthetic Fiber Brushes
1966	1548	Armco Steel (USA)	No. 25 Bright Anneal Line (Silicon Steel) Six Brush Unit 49" Wide, 0.014"-0.031" Thick V-Belt Brush Drive No Quick Open Tampico Brushes Clean Prior to Decarburizing Furnace

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1966	1561	Armco Steel (USA)	Silicon Steel Anneal & Coating Line Six Brush Unit 37" Wide, 0.009"-0.014" Thick Direct Brush Drive Fixed Brush Powered Screwdown on Backup Roll Through Link Type Equalizer Mechanism No Quick Open
1966	1564	Armco Steel (USA)	Silicon Steel Anneal and Coating Line Two Brush Unit 37" Wide, 0.009"-0.014" Thick Direct Brush Drive Fixed Brush Manual Screwdown on Backup Roll Through Link Type Equalizer Mechanism No Quick Open
1967	1620	Crucible Steel (USA)	No. 6 Anneal and Pickle Line (Stainless Steel) Four Brush Unit 50" Wide, 0.010"-0.075" Thick Roller Chain Brush Drive Powered Screwdown No Quick Open Brush Strippers Tampico Brushes
1969	1753	Allegheny Ludlum (USA)	Bright Anneal Line (Stainless Steel) Two Brush Unit 18" Wide, 0.0005"-0.030" Thick V-Belt Brush Drive Manual Screwdown No Quick Open Tampico Flow-Thru Brushes Remove Rolling Oils

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1969	1825	Ball Brothers (USA)	Continuous Casting Line (Zinc) Two Brush Unit Surface Conditioning & Spray Cooling 28" Wide Wire Brushes Direct Brush Drive thru Spindles & Pinion Stand No Quick Open
1970	2002	Anaconda (USA)	Non-Ferrous Anneal & Pickle Line (Brass and Copper Alloys) Two Brush Unit 44" Wide, 0.050"-0.125" Thick V-Belt Brush Drive Manual Screwdown Manual Quick Open on Backup Rolls Thru Linkage Flow-Thru Brushes Sulfuric Acid Rinse
1971	2140	Texas Instruments (USA)	Cleaning Prior to Cladding Two Brush Unit 13" Wide V-Belt Brush Drive Manual Screwdown No Quick Open
1974	2190	Metallugimport (Soviet Union)	Bright Anneal Line (Stainless Steel) Four Brush Unit 12" Wide, 0.002"-0.080" Thick Roller Chain Brush Drive Manual Screwdown No Quick Open Flow Thru Brushes Alkali Cleaner

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1974	2214	Texas Instruments (USA)	Cleaning Prior to Cladding Four Brush Unit 28" Wide V-Belt Brush Drive Manual Screwdown No Quick Open
1973	2266	Texas Instruments (USA)	Cleaning Prior to Cladding Two Brush Unit 15" Wide V-Belt Brush Drive Manual Screwdown No Quick Open Alkali Cleaning
1974	2320	Centrozap (Poland)	Non-Ferrous Anneal & Pickle Line (Brass and Copper Alloys) Two Brush Unit 30" Wide, 0.050"-0.157" Thick V-Belt Brush Drive Manual Screwdown Manual Quick Open on Backup Rolls Thru Linkage Flow-Thru Brushes Sulfuric Acid Rinse
1977	2478	S.A. Marvin (Brazil)	Non-Ferrous Pickle Line (Brass and Copper Alloys) Two Brush Unit 27" Wide, 0.032"-0.200" Thick Direct Brush Drive Fixed Brush Manual Screwdown on Backup Rolls No Quick Open Flow-Thru Brushes

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1979	2668-3	Texas Instruments (USA)	Cleaning Prior to Cladding Four Brush Unit 24" Wide V-Belt Brush Drive Manual Screwdown No Quick Open Alkali Cleaning
1979	2668-7	Texas Instruments (USA)	Cleaning Prior to Cladding Four Brush Unit 24" Wide V-Belt Brush Drive Manual Screwdown No Quick Open Pumice Cleaning
1976	2695	Texas Instruments (USA)	Cleaning Prior to Cladding Four Brush Unit 15" Wide V-Belt Brush Drive Manual Screwdown No Quick Open Alkali Cleaning
1977	2788	Texas Instruments (USA)	Cleaning Prior to Cladding Four Brush Unit 15" Wide V-Belt Brush Drive Manual Screwdown No Quick Open Alkali Cleaning
1979	2964	National de Cobre (Mexico)	Non-Ferrous Anneal & Pickle Line (Brass & Copper Alloys) Two Brush Unit 26" Wide, 0.015"-0.100" Thick V-Belt Brush Drive Manual Screwdown No Quick Open

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1980	3379	Republic Steel (USA)	Electrolytic Galvanizing Line (Carbon Steel) Two Brush Unit 48" Wide, 0.015"-0.036" Thick Direct Brush Drive thru Spindles Manual Screwdown Pivoting Brush Arms with Quick Open Flow-Thru Brushes Polypropylene Tank
1981	3519	Southwestern Pipe (USA)	Hot Dip Galvanizing Line (Carbon Steel) Two Brush Unit 10" Wide, 0.015"-0.125" Thick Direct Brush Drive Manual Screwdown Cantilevered Brushes Alkali Cleaning
1982	3581	Anaconda (USA)	Non-Ferrous Anneal & Pickle Line (Brass and Copper Alloys) Two Brush Unit 46" Wide, 0.015"-0.100" Thick Direct Brush Drive thru Spindles Manual Screwdown Pivoting Brush Arms with Quick Open Sulfuric Acid Rinse
1982	3736	Brush Wellman (USA)	Non-Ferrous Pickle Line (Beryllium Copper) Two Brush Unit 18" Wide, 0.002"-0.060" Thick Direct Brush Drive thru Spindles Manual Screwdown Pivoting Brush Arms with Quick Open Internal Brush Dressing Boards Surface Conditioning

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1982	3781	Brush Wellman (USA)	Non-Ferrous Pickle Line (Beryllium Copper) Two Brush Unit 18" Wide, 0.002"-0.060" Thick V-Belt Brush Drive Pivoting Brush Arms with Quick Open Manual Screwdown Surface Conditioning
1984	5017	Brush Wellman (USA)	Non-Ferrous Bright Anneal Line (Beryllium Copper) Two Brush Unit 25" Wide, 0.010"-0.100" Thick Direct Brush Drive thru Spindles Manual Screwdown Pivoting Brush Arms with Quick Open Dual Backup Rolls Internal Brush Dressing Boards Driven Wringer Rolls Alkali Cleaning
1987	5079	Allegheny Ludlum (USA)	Bright Anneal Line (Stainless Steel) Four Brush Unit 36" Wide, 0.005"-0.030" Thick V-Belt Brush Drive Powered Screwdown No Quick Open Dual Backup Rolls Alkali Cleaning

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1985	5213	S.A. Marvin (Brazil)	Non-Ferrous Pickle Line (Brass and Copper Alloys) Two Brush Unit 27" Wide, 0.032"-0.200" Thick Direct Brush Drive thru Spindles Manual Screwdown Pivoting Brush Arms with Quick Open Dual Backup Rolls Sulfuric Acid Rinse
1986	5241	Texas Instruments (USA)	Bright Anneal Line (Stainless Steel) Four Brush Unit 26" Wide, 0.008"-0.080" Thick Direct Brush Drive Fixed Brush Manual Screwdown on Backup Roll No Quick Open Alkali Cleaning
1986	5297	Thomas Steel (USA)	Nickel Plating Line (Carbon Steel) Two Brush Unit 42" Wide, 0.004"-0.070" Thick Timing Belt Brush Drive Manual Screwdown No Quick Open Alkali Cleaning
1986	5467	Brush Wellman (USA) Two Machines	Non-Ferrous Bright Anneal Line (Beryllium Copper) Two Brush Unit 18" Wide, 0.002"-0.060" Thick Timing Belt Brush Drive Fixed Brush Dual Backup Rolls Manual Screwdown on Backup Roll Rack & Pinion Equalizer for Quick Open on Backup Rolls Rinse and Surface Conditioning

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1991	6260	Federal Iron Works (Malaysia)	Hot Dip Galvanizing Line (Carbon Steel) Six Brush Unit 50" Wide, 0.008"-0.062" Thick Direct Brush Drive thru Spindles Manual Screwdown Pivoting Brush Arms with Quick Open Driven Wringer Rolls Alkali Cleaning
1992	6402	Precision Galvanizing (USA)	Hot Dip Galvanizing Line (Carbon Steel) Two Brush Unit 60" Wide, 0.012"-0.105" Thick V-Belt Brush Drive Manual Screwdown Dual Backup Rolls No Quick Open Alkali Cleaning
1992	6524	Northwest Copper (PRC)	Non-Ferrous Anneal & Pickle Line (Beryllium Copper) Two Brush Unit 14" Wide, 0.002"-0.060" Thick Direct Brush Drive thru Spindles Manual Screwdown Pivoting Brush Arms with Quick Open Synthetic Fiber Brushes Sulfuric Acid Rinse
1993	6589-1	Great Lakes Metals (USA)	Non-Ferrous Anneal & Pickle Line (Brass and Copper Alloys) Vertical Two Brush Unit 30" Wide, 0.004"-0.040" Thick V-Belt Brush Drive Hydraulic Powered Screwdown Pivoting Brush Arms No Quick Open Automatic Brush Load Control

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1993	6589-2	Great Lakes Metals (USA)	Non-Ferrous Anneal & Pickle Line (Brass and Copper Alloys) Vertical Four Brush Unit 30" Wide, 0.004"-0.040" Thick V-Belt Brush Drive Hydraulic Powered Screwdown Pivoting Brush Arms No Quick Open Automatic Brush Load Control
1994	6748	Poongsan Metals (South Korea)	Stainless Steel Bright Anneal Line 18" Wide, 0.008"-0.060" Thick 50 FPM Pre-clean Section plus Two Brushes Timing Belt Brush Drives Dual Brush Backup Rolls (non-driven) with Equalizer and Pneumatic Quick Open Fixed Brushes Quick Change Brush Doors
1994	6851	IMSA (Mexico) Two Machines	High Speed Cleaning Line (Carbon Steel & Galvanized Steel) Four Brush Units (2) 49" Wide, 0.008"-0.060" Thick 2000 FPM Directly Opposing Brush Backup Rolls (driven) with Pneumatic Quick Open Quick Change Brush Drawers Driven Wringer Rolls Direct Brush Drive with Automatic Load Control Offline Tank

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1995	6978	IMSA (Mexico) Two Machines	Hot Dip Galvanizing Line (Carbon Steel & Galvanized Steel) One Four-Brush and One Two-Brush 50" Wide, 0.008"-0.048" Thick 600 FPM Directly Opposing Brush Backup Rolls (driven) with Pneumatic Quick Open Quick Change Brush Drawers Driven Wringer Rolls Direct Brush Drive with Automatic Load Control Offline Tank
1995	7147	Hamilton Precision Metals (USA)	Stainless Steel Bright Anneal Line 18" Wide, 0.002"-0.070" Thick 50 FPM Pre-clean Section plus Two Brushes Timing Belt Brush Drives Dual Brush Backup Rolls (non-driven) with Equalizer and Pneumatic Quick Open Fixed Brushes Quick Change Brush Doors
1996	7156	US Steel Fairfield, AL (USA)	Hot Dip Galvanizing Line (Carbon Steel) Four Brushes (All Flow-Thru) 49" Wide, 0.009"- 0.040" Thick 600 FPM Directly Opposing Brush Backup Rolls (Driven) with Pneumatic Quick Open Quick Change Brush Drawers Offline Tank Driven Wringer Rolls Direct Brush Drive with Automatic Load Control

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1996	8016	US Steel Irvin, PA (USA)	Hot Dip Galvanizing Line (Carbon Steel) Four Brushes (All Flow-Thru) 49" Wide, 0.009"-0.040" Thick 330 FPM Directly Opposing Brush Backup Rolls (Driven) with Pneumatic Quick Open On Backup Rolls Quick Change Brush Drawers Driven Wringer Rolls Direct Brush Drive with Automatic Load Control Offline Tank
1996	3986	Warren Consolidated Industries Warren, OH (USA) Two Machines	Silicon Steel Anneal Line Four Brushes 48" Wide, 0.014"-0.037" Thick 350 FPM Single Offset Brush Backup Rolls (Non-Driven) Non-Driven Wringer Rolls Direct Brush Drive Offline Tank
1997	8081	Armco Steel Middletown, OH (USA) Two Machines	Stainless Steel Anneal & Pickle Line 12", Wide, 0.080"-0.120" Thick Two Brush 100 FPM Dual offset Brush Backup Rolls (Non Driven) Direct Brush Drives Pilot Line

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1997	7997	Winner Steel Services Sharon, PA (USA)	Hot Dip Galvanizing Line 60" Wide, 0.008" – 0.065" Four Brush 675 FPM Directly Opposing Brush Backup Rolls (Driven) Direct Brush Drives Manual Brush Adjust Gas Heating Online Reservoir
1998	10255	GalvPro Jeffersonville, IN (USA)	Hot Dip Galvanizing Line 60" Wide, 0.008" – 0.040" Two Brush 500 FPM Directly Opposing Brush Backup Rolls (Driven) Direct Brush Drives Gas Heating Offline Reservoir
2000	10403	Dofasco (Canada)	Annealing Line 48" Wide, .0067-.0020 Four Brushes 1500 FPM Directly Opposing Brush Backup Rolls (Driven) with Pneumatic Quick Open Quick Change Brush Drawers Offline Tank (By Others) Driven Wringer Rolls Direct Brush Drive with Automatic Load Control

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2006	11835	ALLEGHENY LUDLUM (USA)	Annealing Line 28" Wide, 0.012"-0.065" Two Brushes Directly Opposing Brush Backup Rolls (driven) with Adjustable Stops and Pneumatic Quick Open Online (Poly & Propylene) Tank Quinch Open on Brushes Timing Belt Drive

71 Machines thru 11835